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Reply to Office action of 1 December 2008

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A method of encoding a signal for execution by an encoding device, the method comprising:

determining frequency and amplitude information of at least one sinusoidal component in the signal;

transmitting sinusoidal parameters representing the frequency and amplitude information; and

transmitting a phase jitter parameter representing an amount of phase jitter that should be added during restoring the sinusoidal component from the transmitted sinusoidal parameters.

2. (Previously presented) The method of claim 1, wherein the phase jitter parameter is transmitted approximately together with the sinusoidal parameters at a first instance of a track.

3. (Previously presented) The method of claim 1, wherein a phase jitter parameter is transmitted for a given group of sinusoidal components, which sinusoidal components have harmonically related frequencies.

4. (Previously presented) The method of claim 1, further comprising:

determining a difference between a phase of the sinusoidal component and a predicted phase, which predicted phase is calculated from the transmitted sinusoidal parameters and a phase continuation requirement; and

deriving the phase jitter parameter from said difference.

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5. (Currently amended) A method of decoding an encoded signal for execution by a decoding device, the method comprising:

receiving sinusoidal parameters representing frequency and amplitude information of at least one sinusoidal component;

restoring the at least one sinusoidal component from the sinusoidal parameters;

receiving a phase jitter parameter; and

adding an amount of phase jitter to the sinusoidal component, which amount of phase jitter is derived from the phase jitter parameter.

6. (Currently amended) An audio coder device comprising:

means for determining frequency and amplitude information of at least one sinusoidal component in the signal;

means for transmitting sinusoidal parameters representing the frequency and amplitude information;

and

means for transmitting a phase jitter parameter representing an amount of phase jitter that should be added during restoring the sinusoidal component from the transmitted sinusoidal parameters.

7. (Currently amended) An audio player device comprising:

means for receiving an encoded signal representative of a sound recording, the encoded signal including sinusoidal parameters representing frequency and amplitude information of at least one sinusoidal component;

means for restoring the at least one sinusoidal component from the sinusoidal parameters;

means for receiving a phase jitter parameter; and

means for adding an amount of phase jitter to the sinusoidal component, which amount of phase jitter is derived from the phase jitter parameter.

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8. (Currently amended) An audio system comprising the audio coder <u>device</u> of claim 6.

9-10 (Canceled)

11. (Currently amended) An audio system comprising the audio player <u>device</u> of claim 7.

12 (Canceled)

13. (New) An audio coder device comprising:

a coding unit that is configured to determine frequency and amplitude information of at least one sinusoidal component in a sound signal and at least one phase jitter parameter associated with the at least one sinusoidal component; and

a multiplexer that is configured to provide an output that includes sinusoidal parameters that represent the frequency and amplitude information and a phase jitter parameter that represents an amount of phase jitter that should be added during restoring the sinusoidal component from the transmitted sinusoidal parameters.

14. (New) The device of claim 13, wherein the phase jitter parameter is transmitted together with the sinusoidal parameters at a first instance of a track.

15. (New) The device of claim 13, wherein the phase jitter parameter is transmitted for a given group of sinusoidal components that have harmonically related frequencies.

16. (New) The device of claim 13, wherein the coding unit is configured to determine the phase jitter parameter based on a difference between a phase of the sinusoidal component and a predicted phase that is calculated from the sinusoidal parameters and a phase continuation requirement.

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17. (New) An audio player device comprising:

      a receiver that is configured to receive an encoded signal that includes sinusoidal parameters representing frequency and amplitude information of at least one sinusoidal component of a sound recording, and at least one phase jitter parameter associated with the at least one sinusoidal component;

      a synthesizer that is configured to restore the at least one sinusoidal component from the sinusoidal parameters, and to adjust the at least one sinusoidal component based on the phase jitter parameter; and

      an output unit that is configured to provide an output that includes the at least one sinusoidal component.

18. (New) A computer-readable medium encoded with a computer program that, when executed by a processor, causes the processor to:

      determine frequency and amplitude information of at least one sinusoidal component in the signal, and at least one phase jitter parameter associated with the at least one sinusoidal component, and

      provide an output that includes sinusoidal parameters that represent the frequency and amplitude information and a phase jitter parameter that represents an amount of phase jitter that should be added during restoring the sinusoidal component from the transmitted sinusoidal parameters.

19. (New) The medium of claim 18, wherein the phase jitter parameter is provided for a given group of sinusoidal components that have harmonically related frequencies.

20. (New) The medium of claim 18, wherein the computer program causes the processor to determine the phase jitter parameter based on a difference between a phase of the sinusoidal component and a predicted phase that is calculated from the sinusoidal parameters and a phase continuation requirement.

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21. (New) A computer-readable medium encoded with a computer program that, when executed by a processor, causes the processor to:

receive an encoded signal that includes sinusoidal parameters representing frequency and amplitude information of at least one sinusoidal component of a sound recording, and at least one phase jitter parameter;

synthesize the at least one sinusoidal component from the sinusoidal parameters, and to adjust the at least one sinusoidal component based on the phase jitter parameter; and

provide an output that includes the at least one sinusoidal component.